

CLAIMS

1. An antisense oligonucleotide which hybridises to a target nucleic acid sequence in thymidylate synthase and which selectively inhibits thymidylate synthase production in mammalian cells.
2. An antisense oligonucleotide which hybridises to a target nucleic acid sequence in thymidylate synthase and which selectively enhances thymidylate synthase production in mammalian cells.
3. The antisense oligonucleotide of claim 1 or claim 2 comprising SEQ ID No 1, 2, 3, 4, 5, 6, or 7.
4. The antisense oligonucleotide of claim 1 or claim 2 comprising SEQ ID No 8 or 9.
5. A combination product comprising an antisense oligonucleotide targeted to thymidylate synthase in combination with an anticancer agent.
6. The combination product of claim 5 in which the anticancer agent is a thymidylate synthase inhibitor or a cytostatic agent or an antiproliferative drug.
7. The combination product of claim 5 in which the anticancer agent is Tomudex or ZD9331.
8. A pharmaceutical composition comprising the combination product of claim 5 and a pharmaceutically acceptable diluent or carrier.
9. A method for the treatment of cancer or for providing an antiproliferative effect which comprises administering to a warm-blooded animal an effective amount of the combination product claimed in claim 4.

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10. Use of the combination product claimed in claim 4 in the production of a new medicament for the treatment of cancer or for treatment of antiproliferative disease.

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